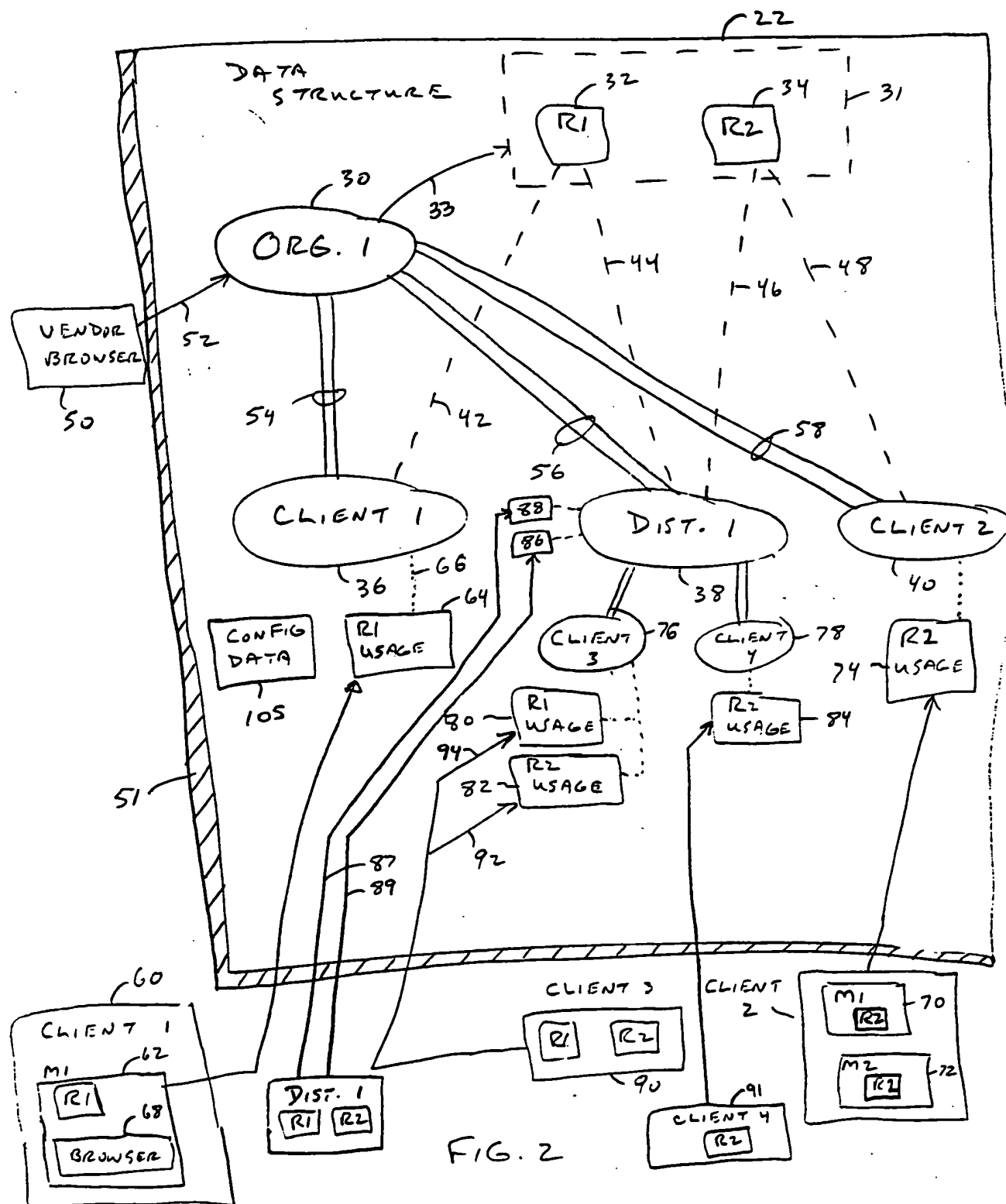


FIG. 1

10002557.10101



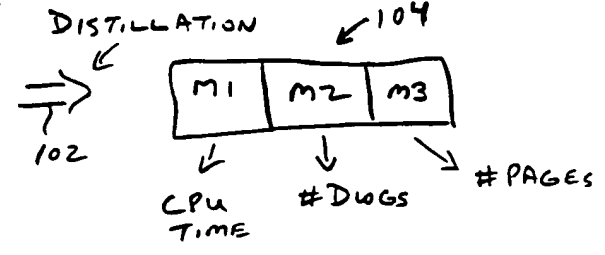
1002557 110101

C N T 1  
P R O G - I N S T " R 1 "

- 106 {
- S T A R T - T I M E
  - D O C - O P E N
  - D O C - C L O S E D : 10 P A G E S
  - S T O P - T I M E

- 108 {
- S T A R T - T I M E
  - D O C - O P E N
  - D O C - C L O S E D : 30 P A G E S
  - D W G S M A D E : 3
  - S T O P - T I M E
- 108

100



C L I E N T 2  
P R O G - I N S T " R 2 "

- 110 {
- . . .
  - . . .
  - . . .
- 112 {
- . . .
  - . . .
  - . . .
- 114 {
- . . .
  - . . .
  - . . .

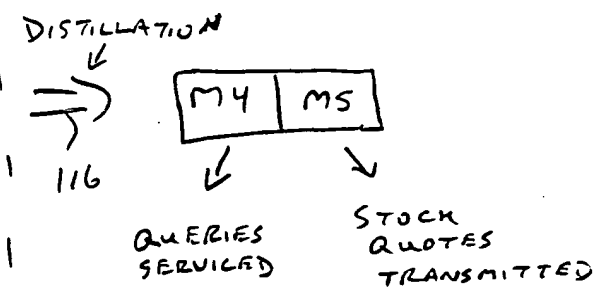


FIG. 3

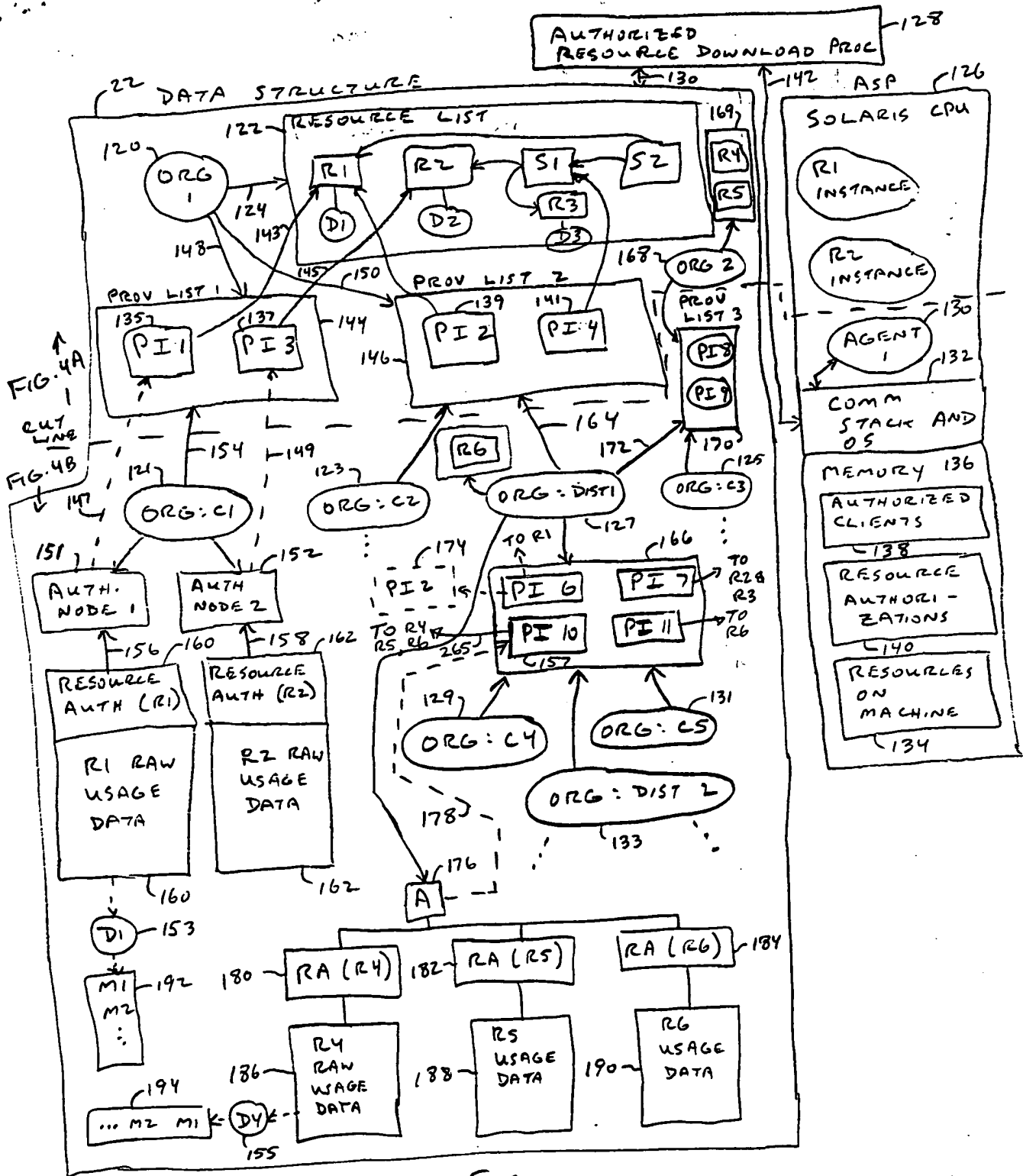
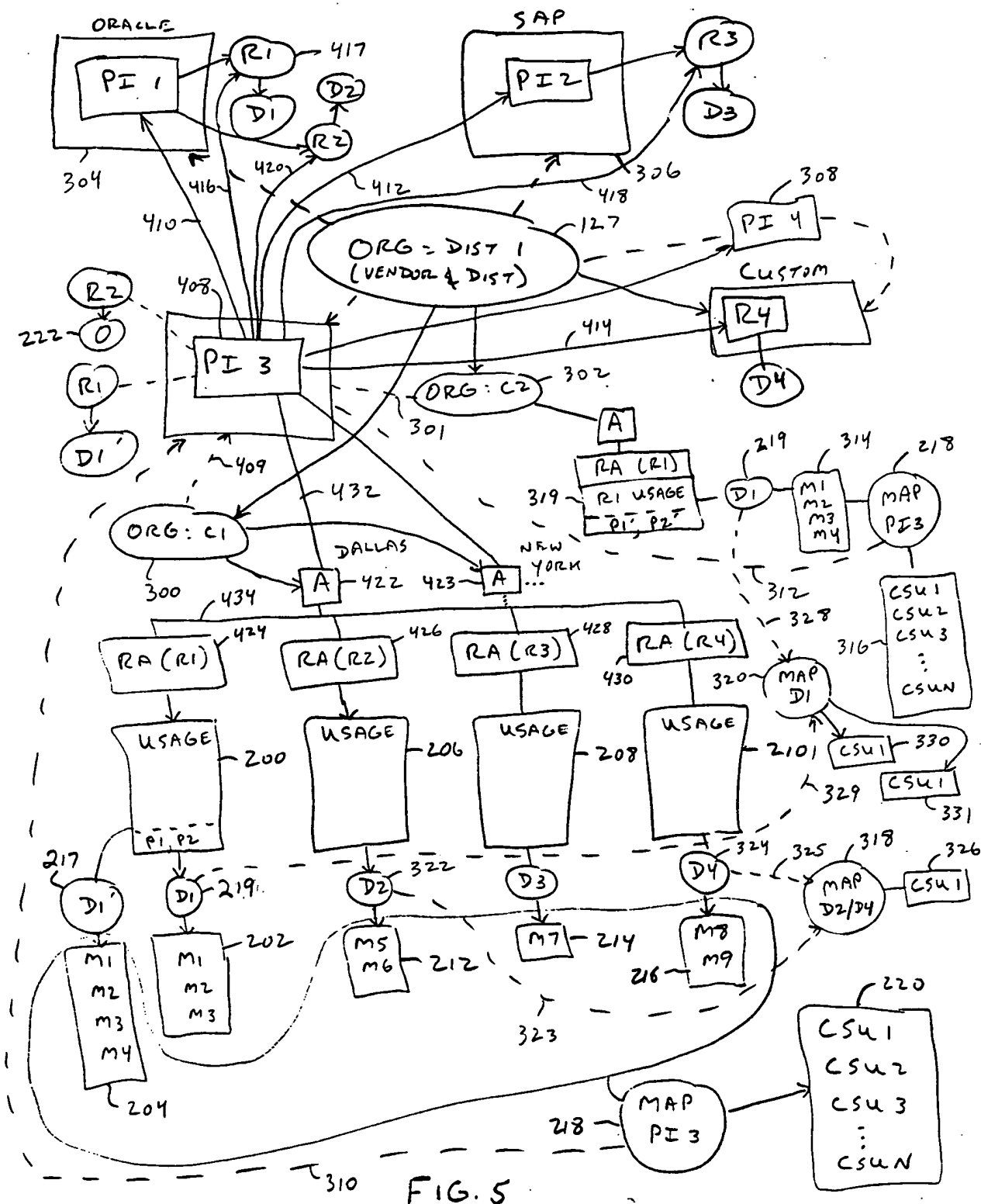


FIG. 4



# OVERALL PROCESS TO DISTILL RAW USAGE DATA TO METRIC DATA BY A PROGRAMMABLE MAPPING

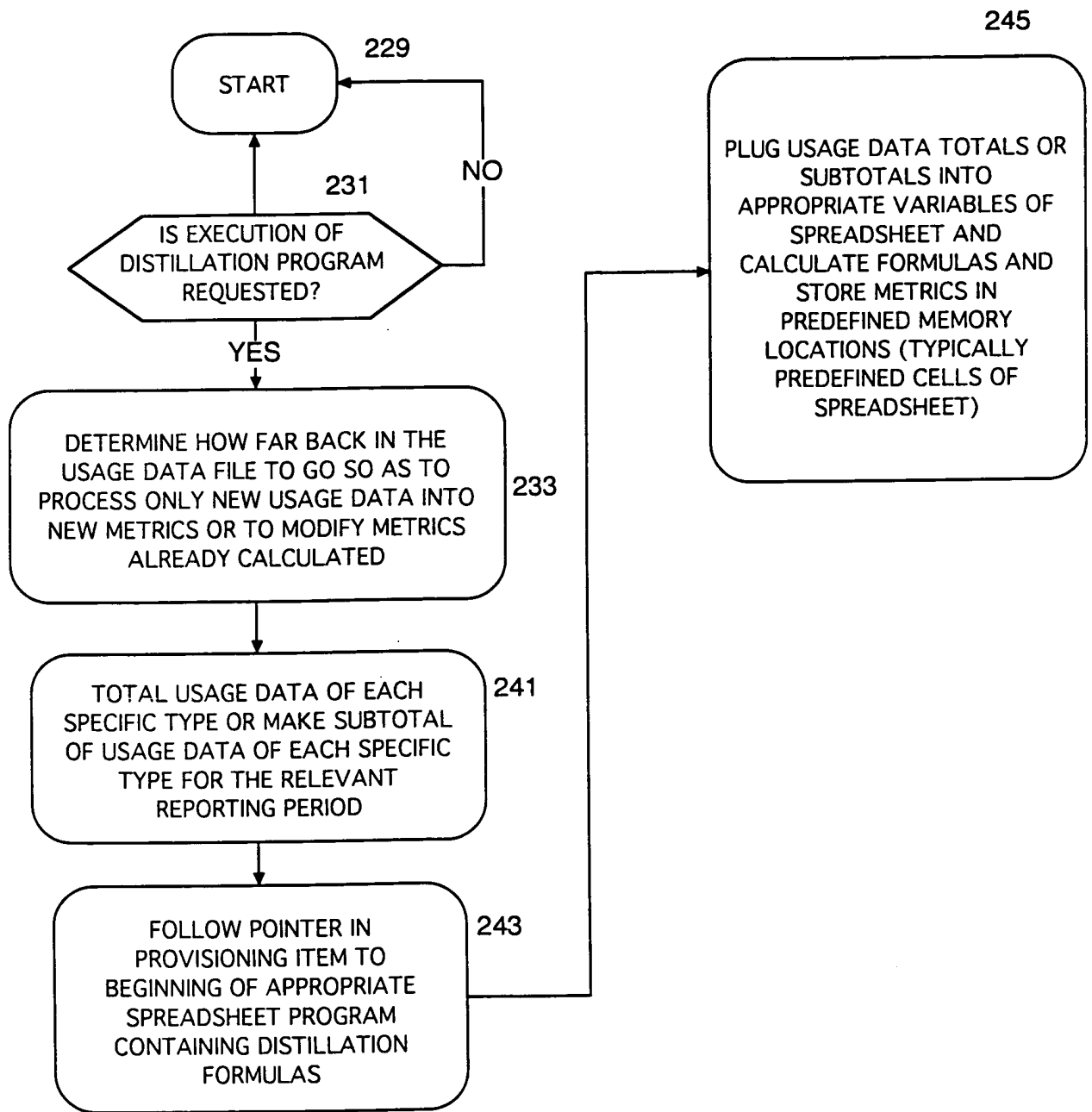


FIG. 6A

OVERALL PROCESS TO DISTILL RAW USAGE DATA TO METRIC DATA  
BY A PROGRAMMABLE MAPPING USING A PROGRAMMABLE DISTILLATION PGM

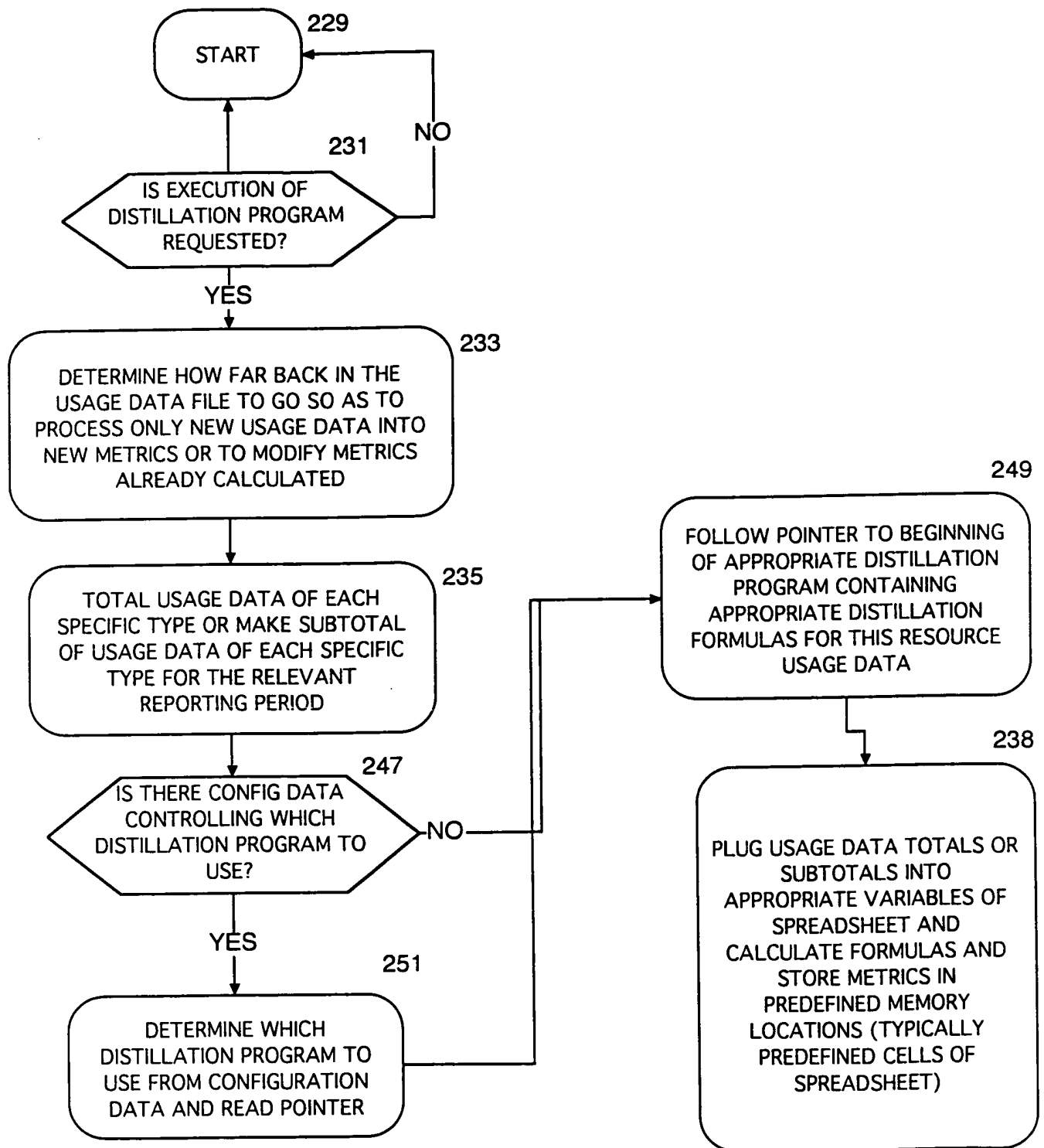


FIG. 6B

PROCESS TO PROGRAMMABLY DISTILL RAW USAGE DATA TO METRICS AND  
PROGRAMMABLY DISTILL THE METRICS INTO CENTRAL SERVICE UNITS  
OF THE CUSTOMER'S DESIGN

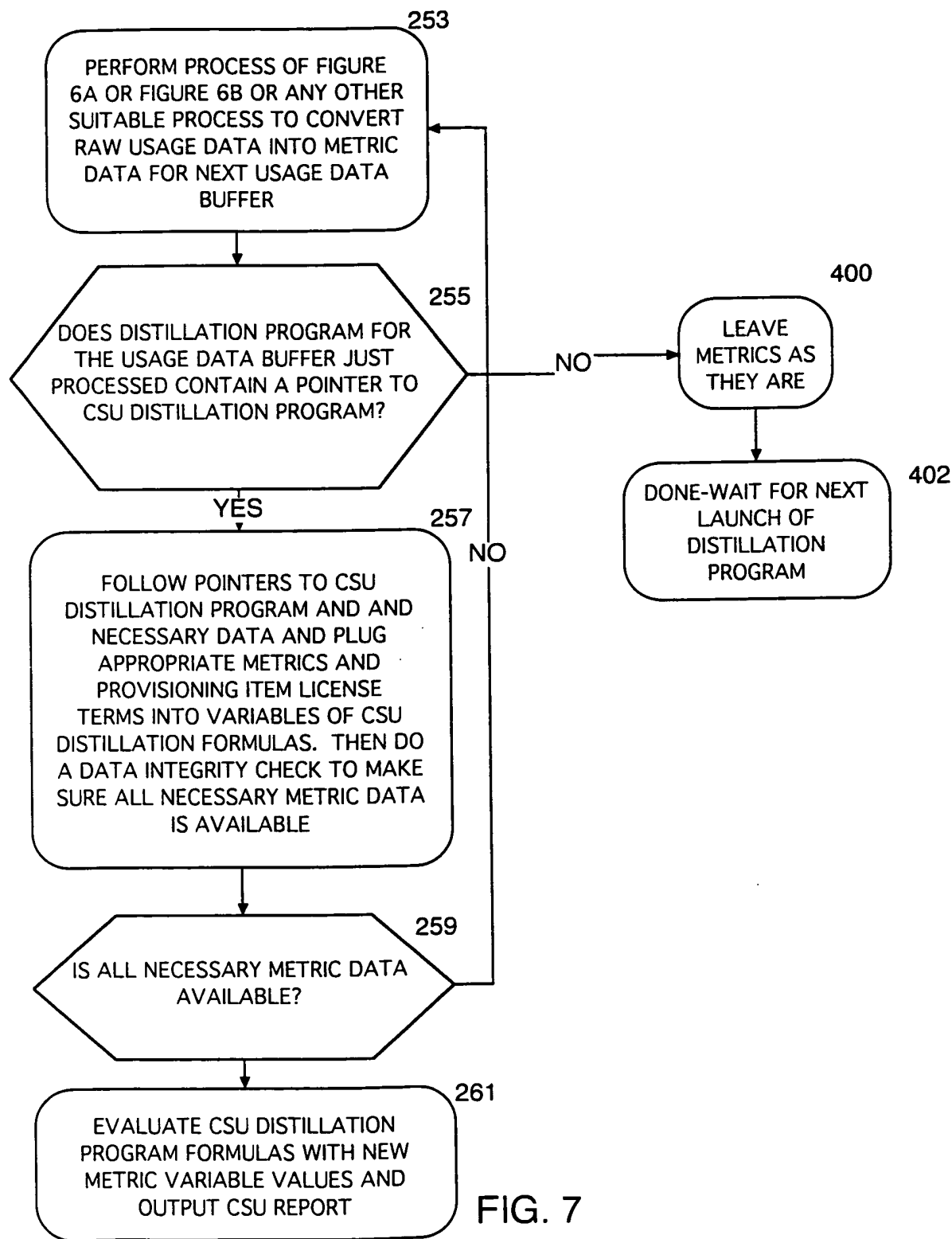


FIG. 7



**OVERALL PROCESS TO COLLECT RAW USAGE DATA IN A CENTRAL SERVER AND  
USE IT TO PREPARE METRICS AND PREPARE INVOICES OR REPORTS THEREFROM**

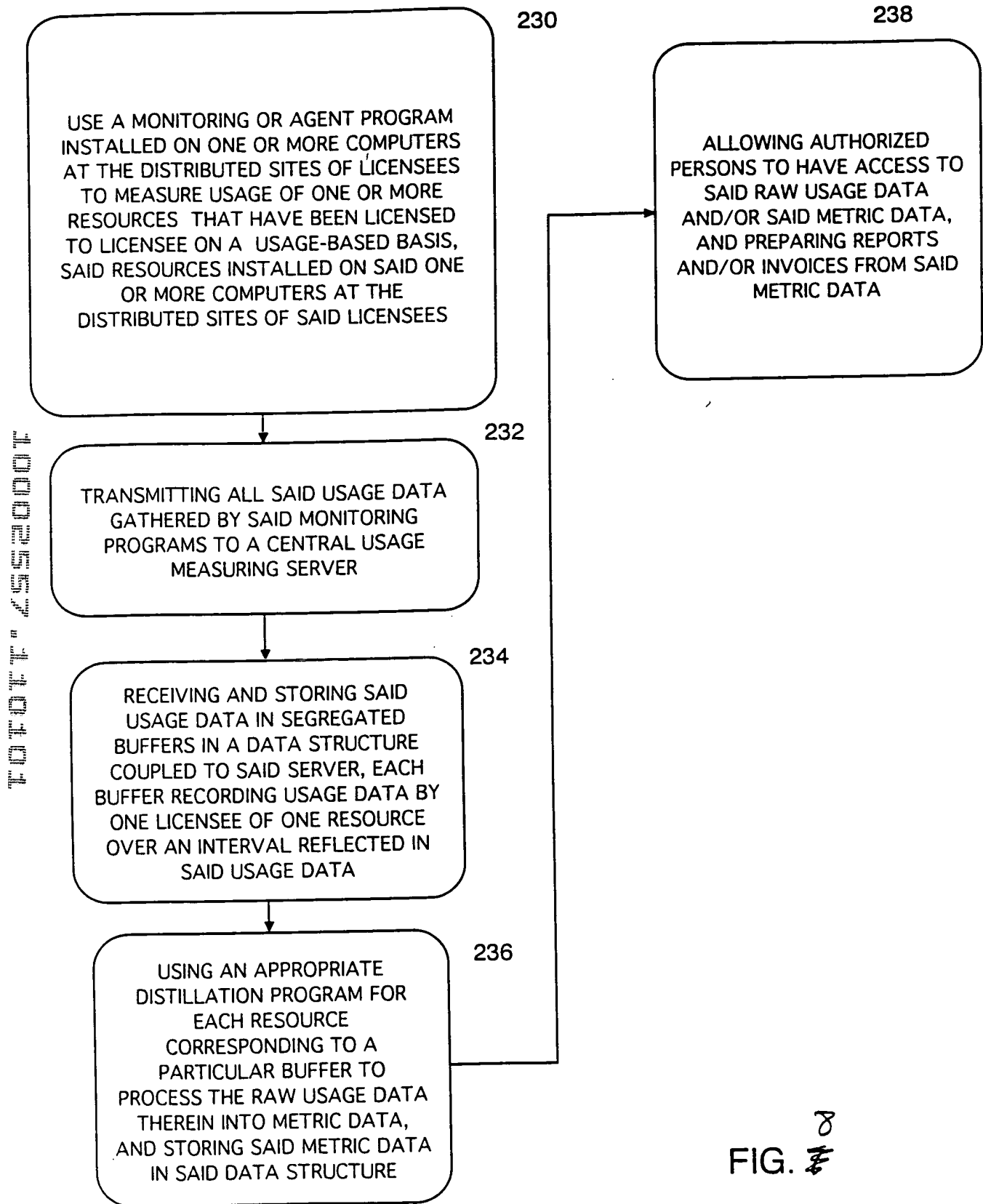
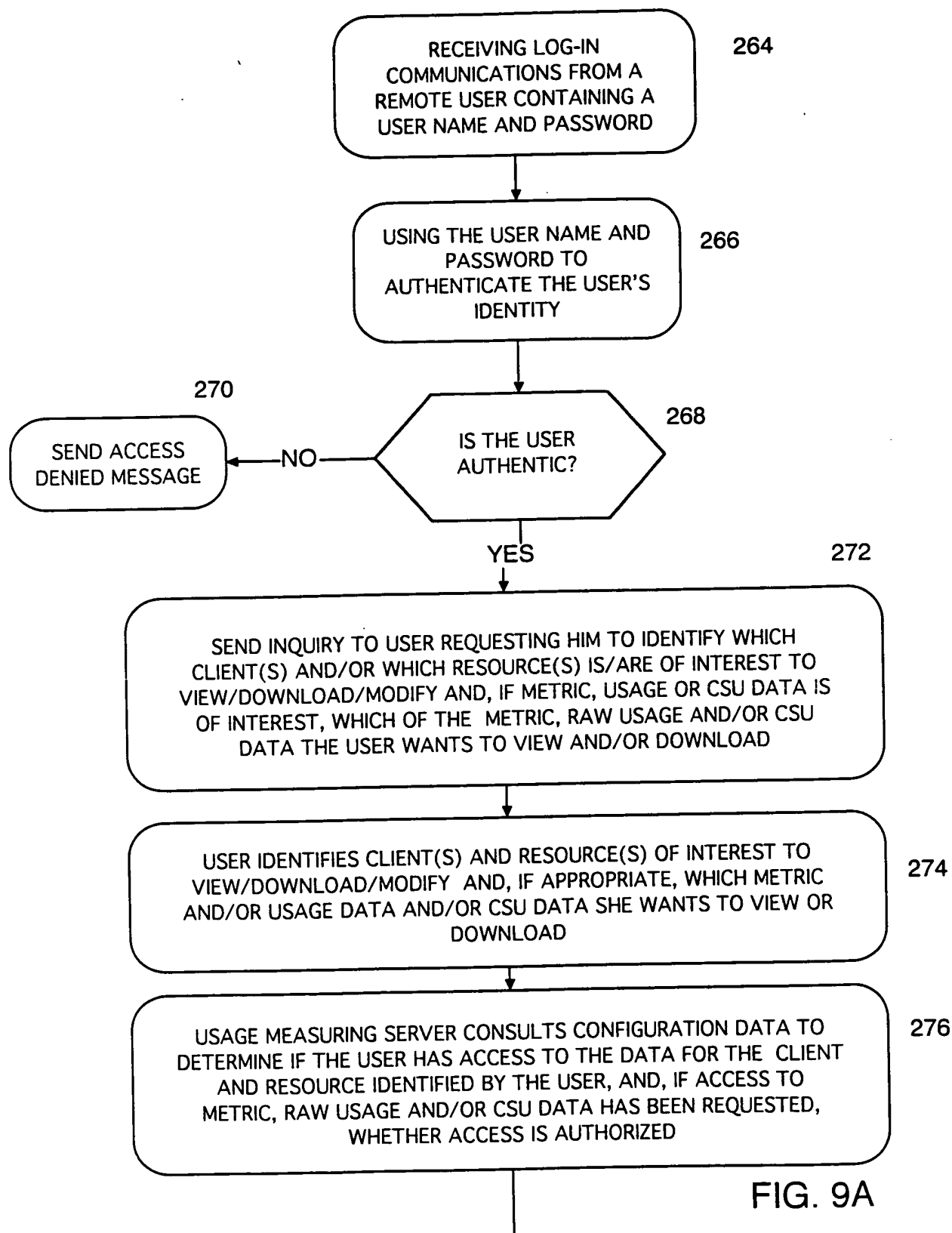


FIG. 8

PROCESS TO BUILD USAGE MEASURING SERVER DATA STRUCTURE AND ALLOW RESTRICTED ACCESS THERETO



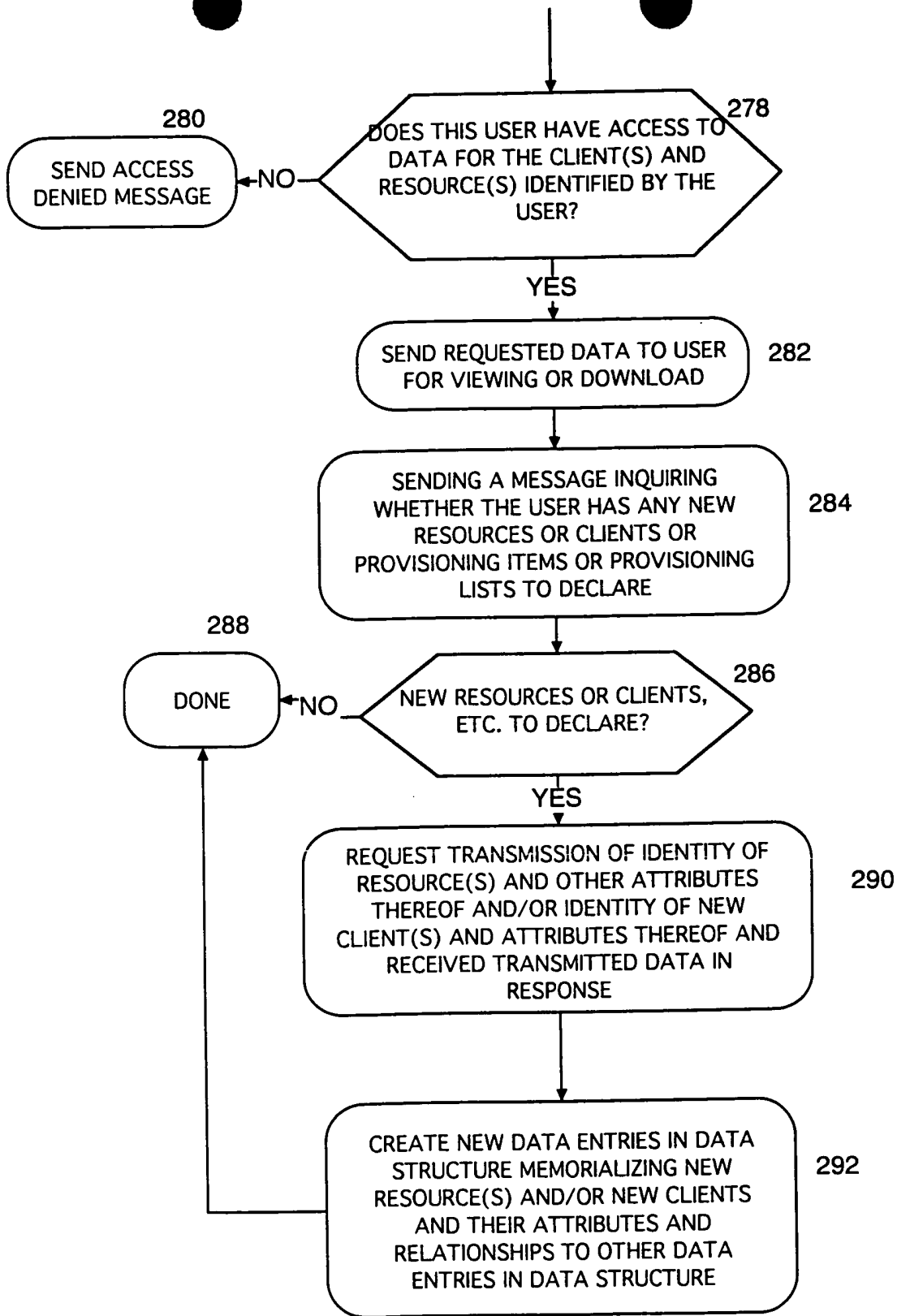


FIG. 9B

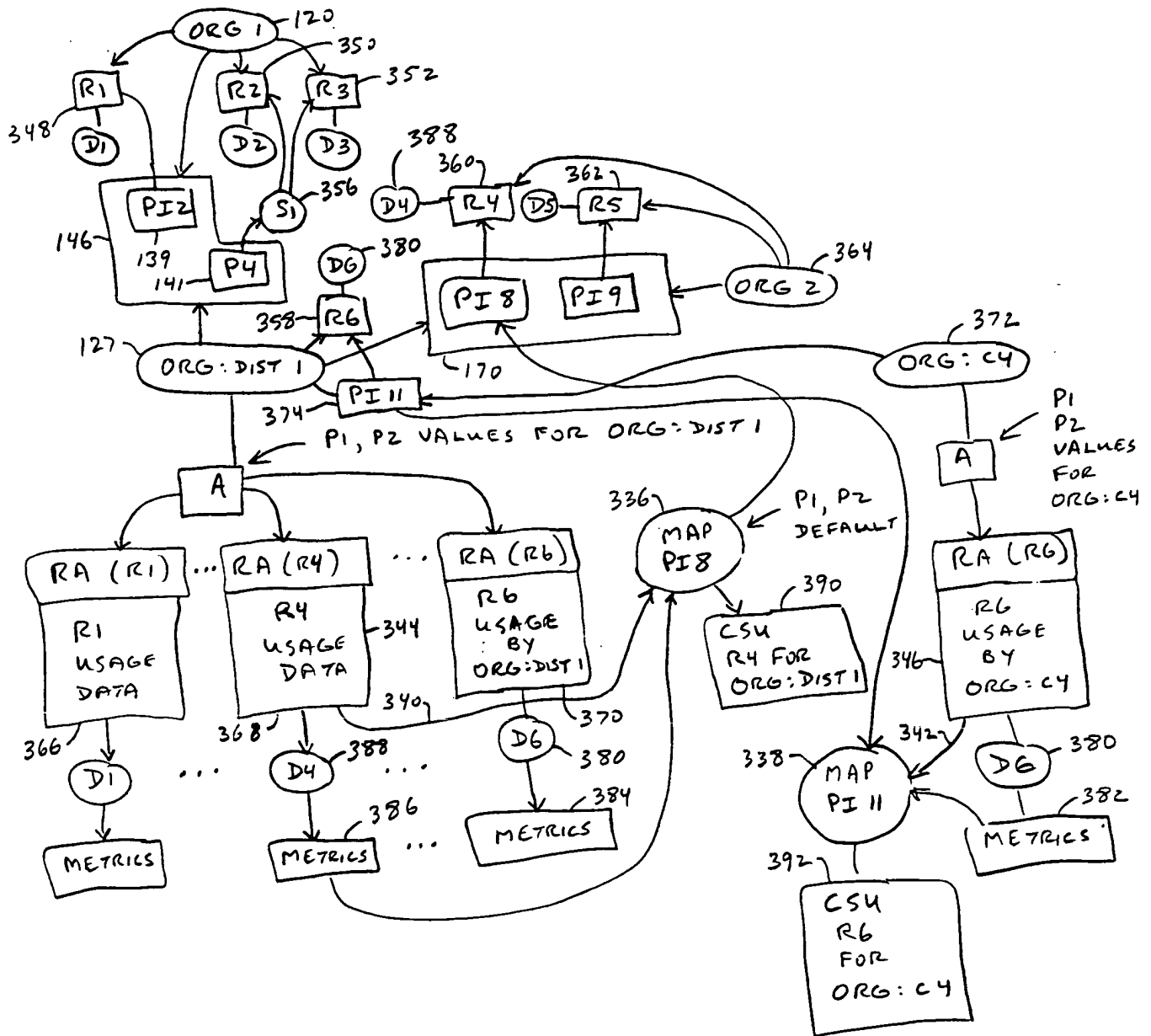


FIG. 10

ALTERNATIVE PROCESS TO PROGRAMMABLY DISTILL RAW USAGE DATA TO METRICS AND PROGRAMMABLY DISTILL THE METRICS INTO CENTRAL SERVICE UNITS USING A CSU DISTILLATION PROGRAM LINKED TO PROVISIONING ITEM DETAILING LICENSE TERMS

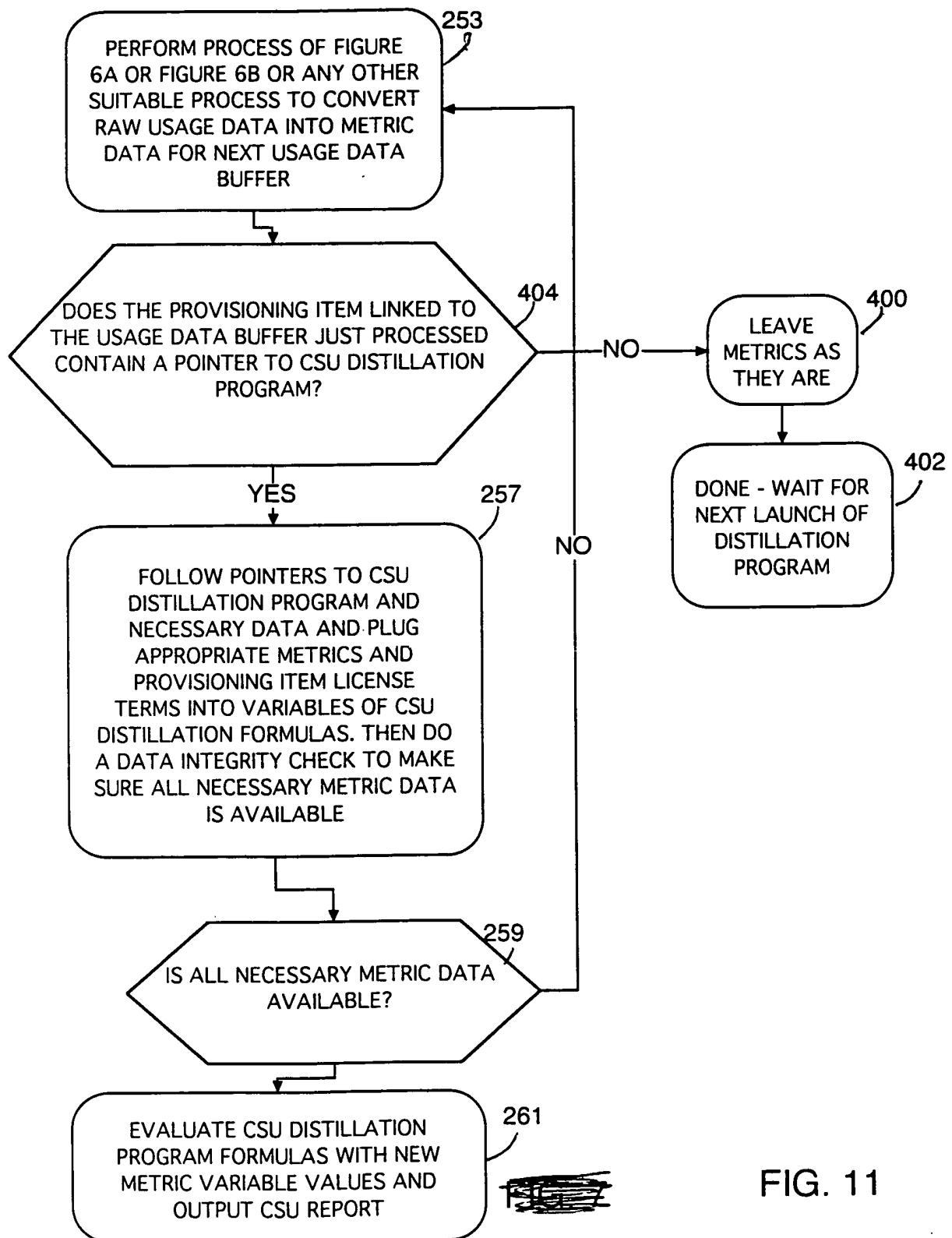


FIG. 11

ALTERNATIVE PROCESS TO PROGRAMMABLY DISTILL RAW USAGE DATA TO METRICS AND PROGRAMMABLY DISTILL THE METRICS INTO CENTRAL SERVICE UNITS USING A CSU DISTILLATION PROGRAM LINKED TO THE USAGE DATA BUFFER OF EACH CLIENT THAT WANTS CSU BASED REPORTS

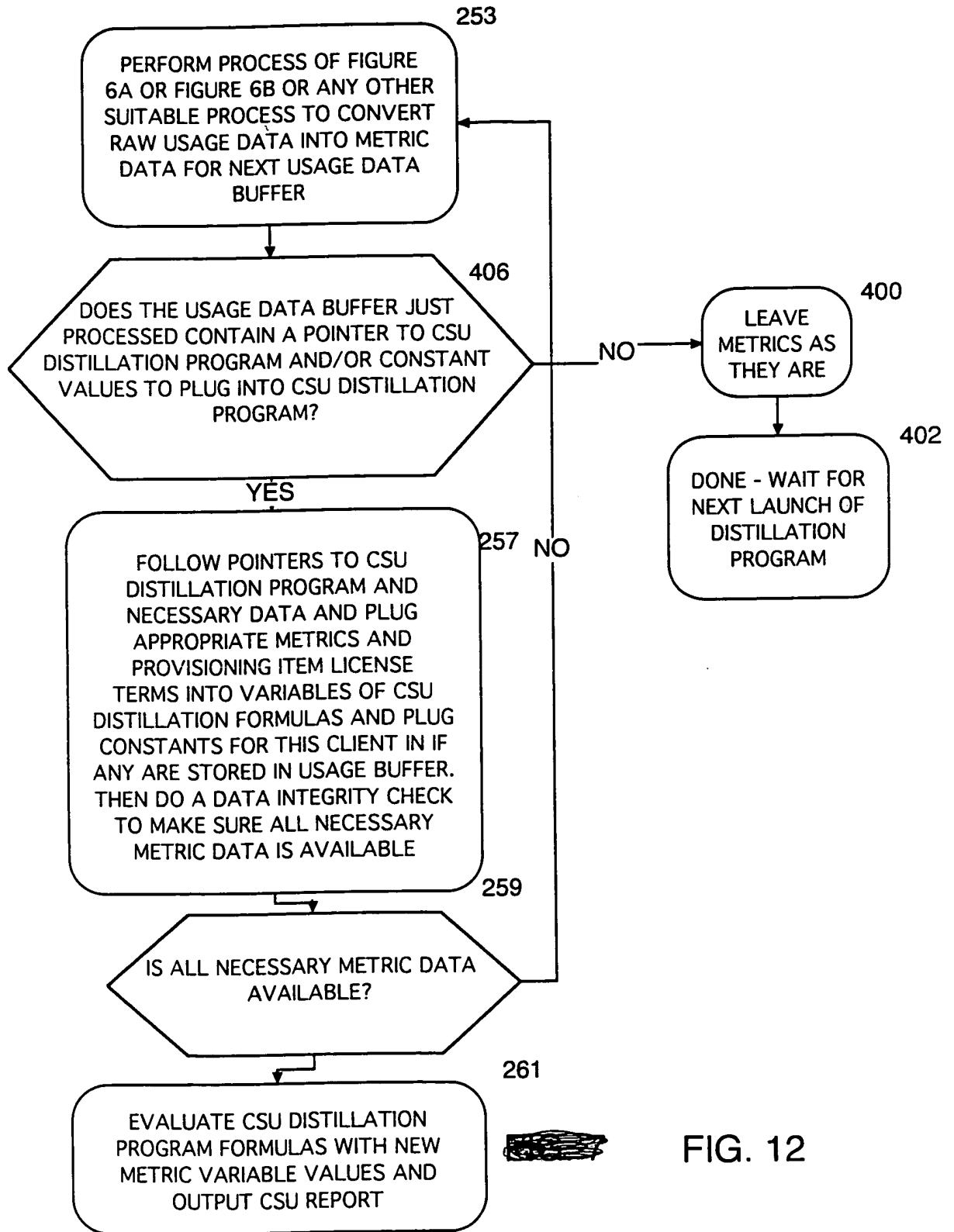


FIG. 12

PROCESS TO CREATE DATA STRUCTURE TO SUPPORT SUITE LICENSING AND  
TO USE THE DATA STRUCTURE TO IMPLEMENT SUITE LICENSING

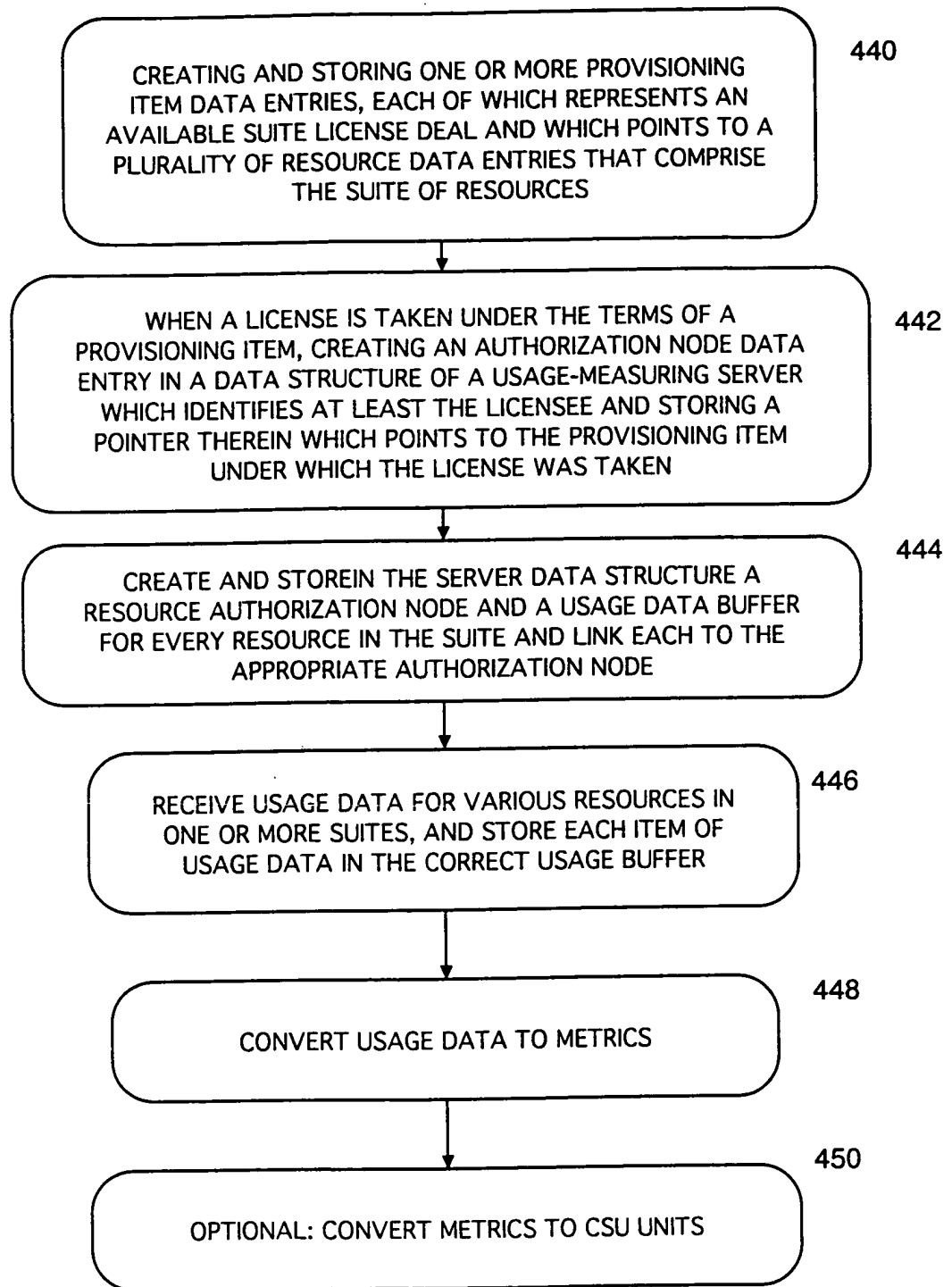


FIG. 13

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# ONE STOP SHOPPING PROCESS TO DETERMINE ALL AVAILABLE LICENSE DEALS ON A PARTICULAR RESOURCE

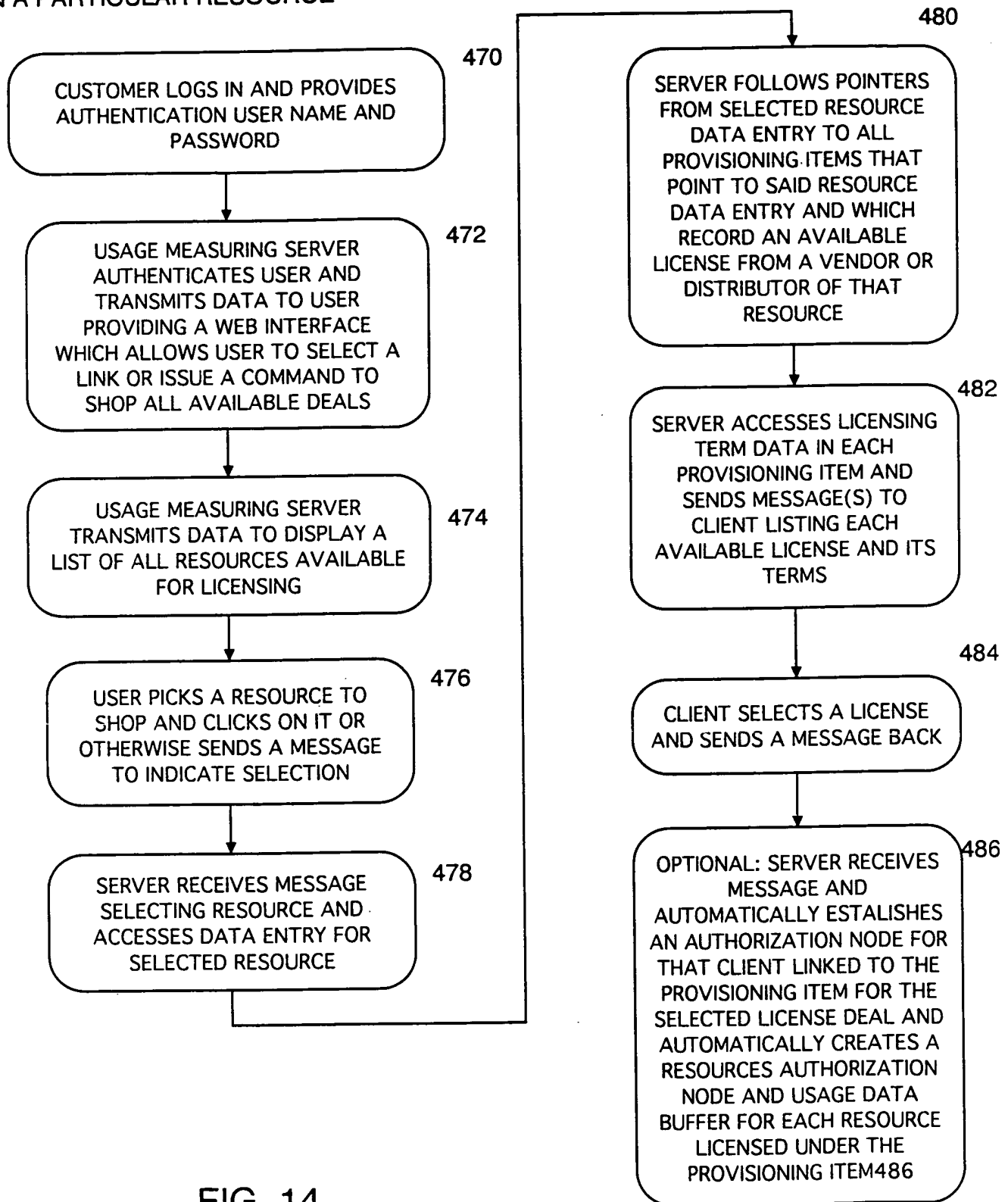


FIG. 14



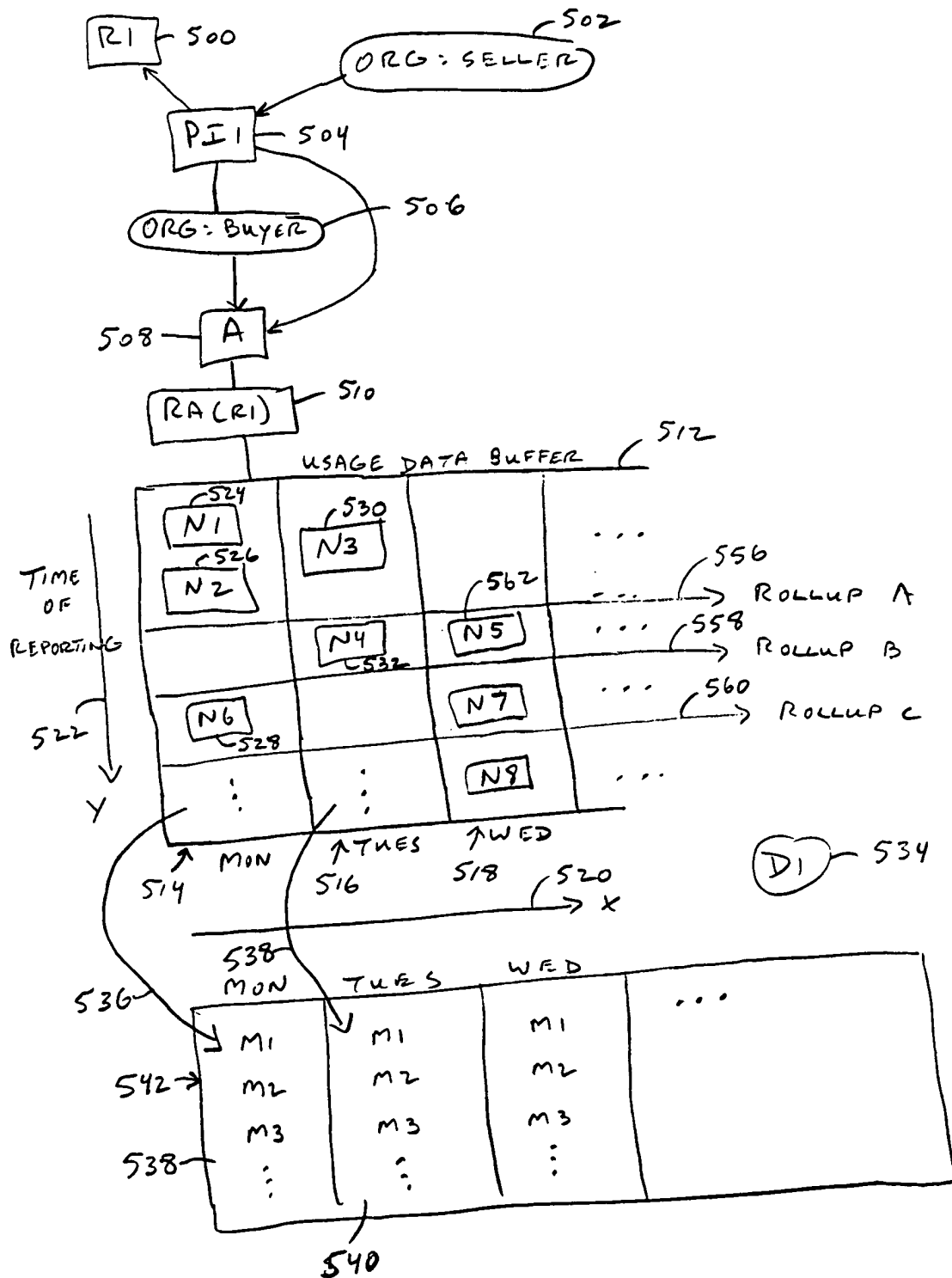


FIG. 15

PROCESS TO COLLECT USAGE DATA, PARTITION IT INTO TIME SEGMENTS  
AND GENERATE METRICS THEREFROM

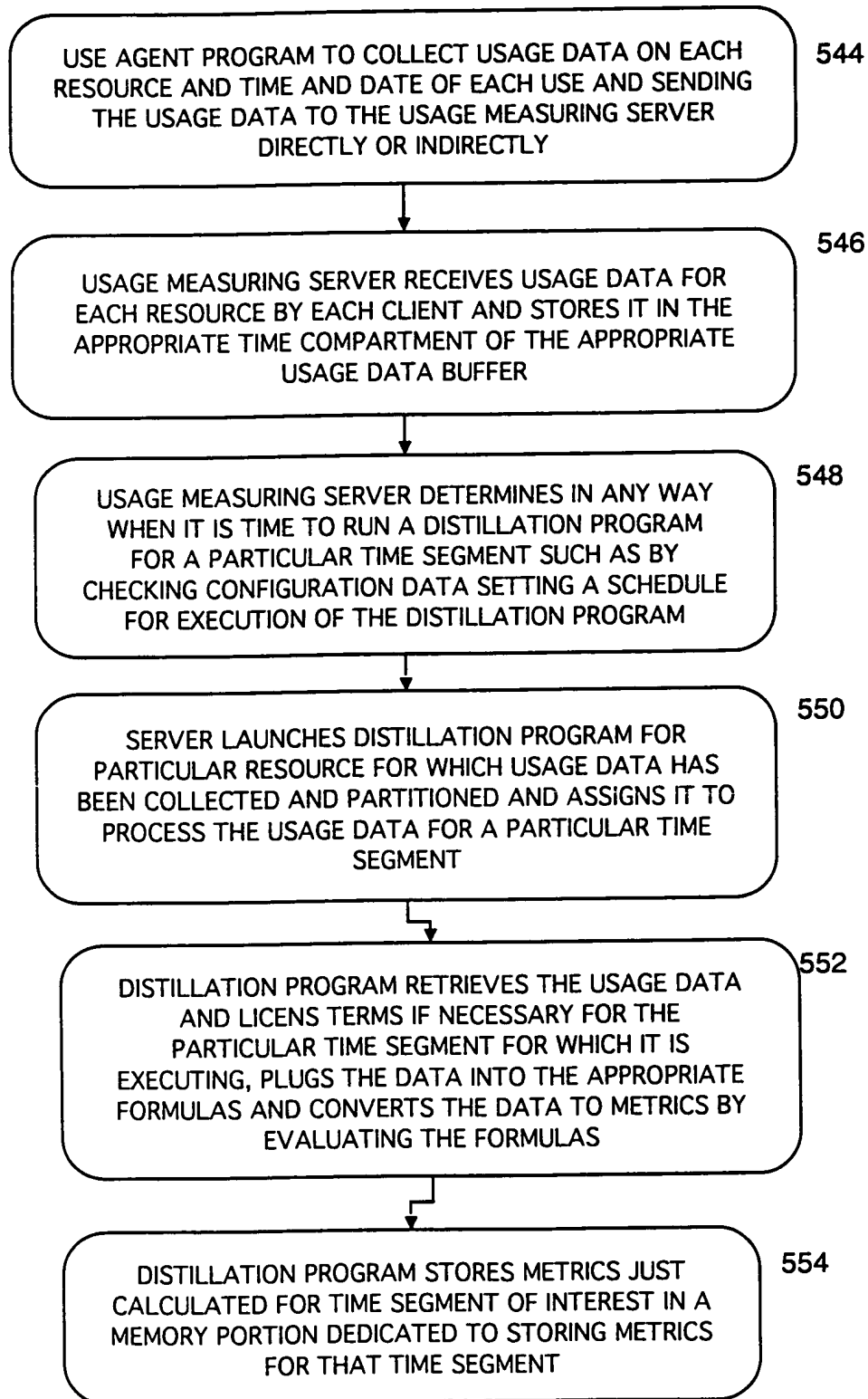


FIG. 16

	ROLLUP A ID 39			
	MON	TUES	WED	...
M1 = CPU	10	1	0	...
M2 = DOCS	500	50	0	...
M3 = # PGS	759	71	0	...

FIG. 17

	PREFERRED ROLLUP B ID 50			
	MON	TUES	WED	
	10	4	2	
	500	120	40	
	759	210	96	

FIG. 19

	ALTERNATIVE ROLLUP B ID 40		
	MON	TUES	WED
	0	3	2
	0	70	40
	0	139	96

FIG. 18

	ALTERNATIVE ROLLUP B ID 40		
	MON	TUES	WED
	0	4	2
	0	120	40
	0	210	96

FIG. 20

1000557-10101

FIG. 21 is a complex flowchart illustrating a data processing system for receipt generation and metrics calculation. The diagram shows data flow from various sources (ORG: VENDOR 1, ORG: VENDOR 2, ORG: CUST 1, ORG: CUST 2, ORG: DISTR.) through processing blocks (R1, R2, PI1, PI2, PI3, A, RA(R1), RA(R2)) to receipt tables and metrics tables. Receipt tables show 'TIME OF USE' for Monday, Tuesday, and Wednesday. Metrics tables show 'ROLLUP A' and 'ROLLUP B' metrics. The final output is 'CSU IN GOTS'.

**Data Sources and Initial Processing:**

- ORG: VENDOR 1** (574) feeds into **R1** (572).
- ORG: VENDOR 2** (580) feeds into **R2** (578).
- ORG: CUST 1** (584) feeds into **A** (590).
- ORG: CUST 2** (586) feeds into **A** (592).
- ORG: DISTR.** (570) feeds into **PI1** (576), **PI2** (582), and **PI3** (571).

**Processing and Data Flow:**

- R1** (572) feeds into **PI1** (576).
- R2** (578) feeds into **PI2** (582).
- PI1** (576) and **PI2** (582) feed into **PI3** (571).
- PI3** (571) feeds into **A** (590) and **A** (592).
- A** (590) feeds into **RA(R1)** (594) and **RA(R2)** (596).
- A** (592) feeds into **RA(R1)** (598) and **RA(R2)** (600).

**Receipt Generation:**

- RA(R1)** (594) feeds into **RECEIPT** (597).
- RA(R2)** (596) feeds into **RECEIPT** (597).
- RA(R1)** (598) feeds into **RECEIPT** (597).
- RA(R2)** (600) feeds into **RECEIPT** (597).

**Metrics Calculation:**

- RECEIPT** (597) feeds into **ROLLUP A** (602) and **ROLLUP B** (606).
- ROLLUP A** (602) feeds into **TIME OF USE** (610) and **ROLLUP A C2/R1 METRICS** (612).
- ROLLUP B** (606) feeds into **TIME OF USE** (610) and **ROLLUP B C2/R1 METRICS** (614).
- TIME OF USE** (610) feeds into **SI** (616) and **SI** (618).
- ROLLUP A C2/R1 METRICS** (612) feeds into **SI** (616).
- ROLLUP B C2/R1 METRICS** (614) feeds into **SI** (618).

**Final Output:**

- SI** (616) feeds into **CSU IN GOTS** (629).
- SI** (618) feeds into **CSU IN GOTS** (629).

FIG. 21

PROCESS FOR ONE PROTOCOL ACCESS TO USAGE/METRIC/CSU DATA  
FOR ALL LICENSEES OF A LICENSOR FROM A USAGE MEASURING SERVER

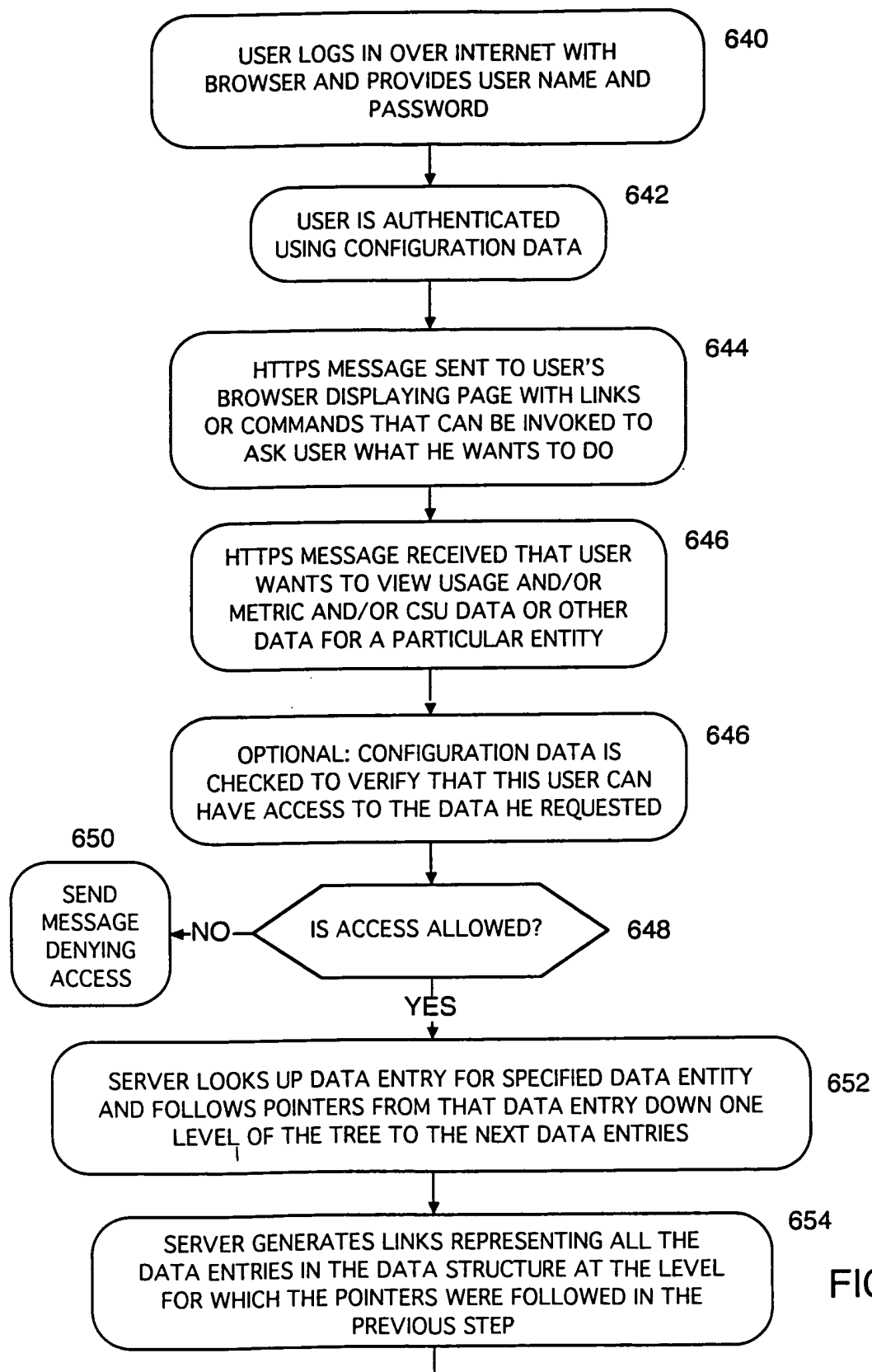


FIG. 22A

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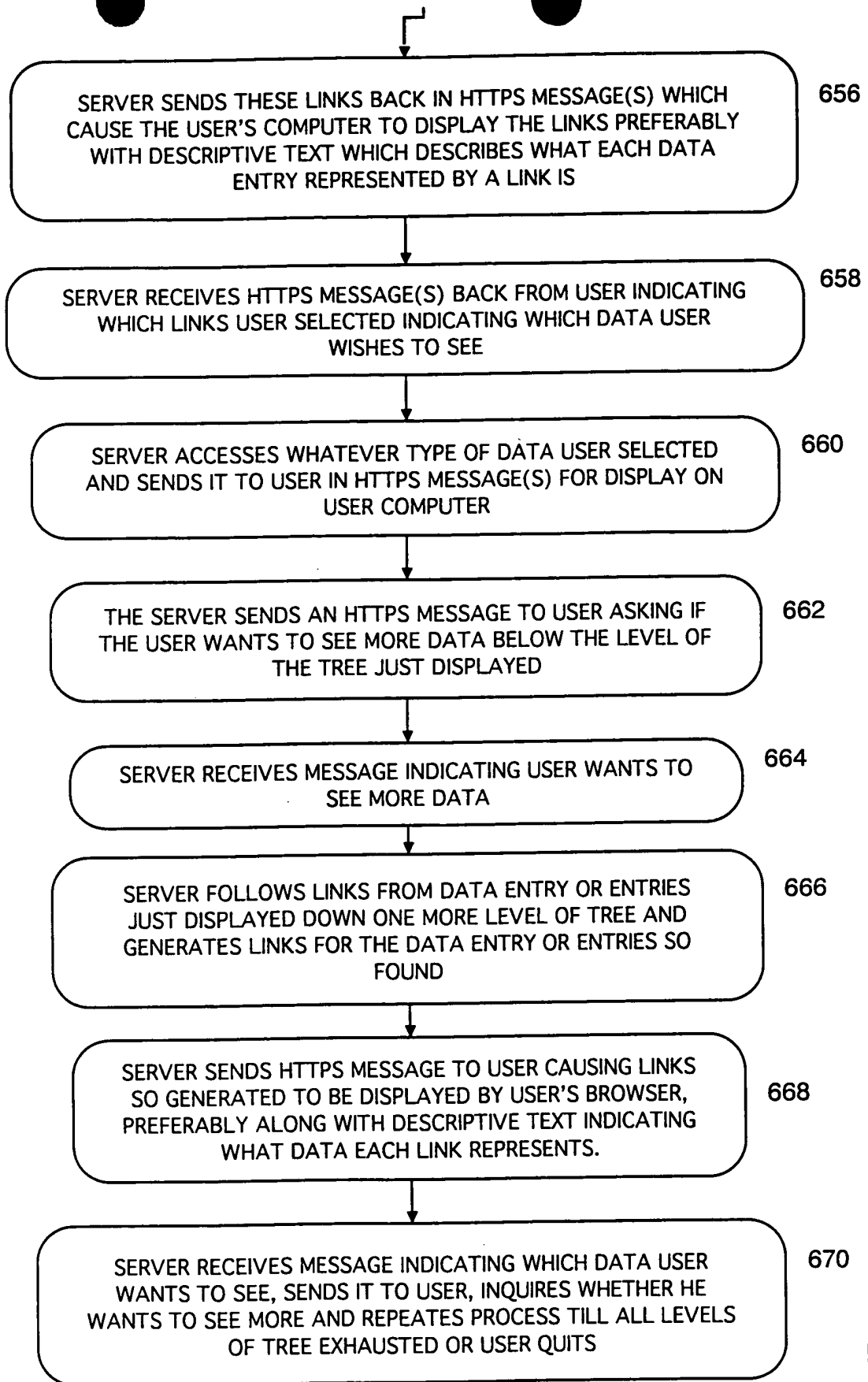
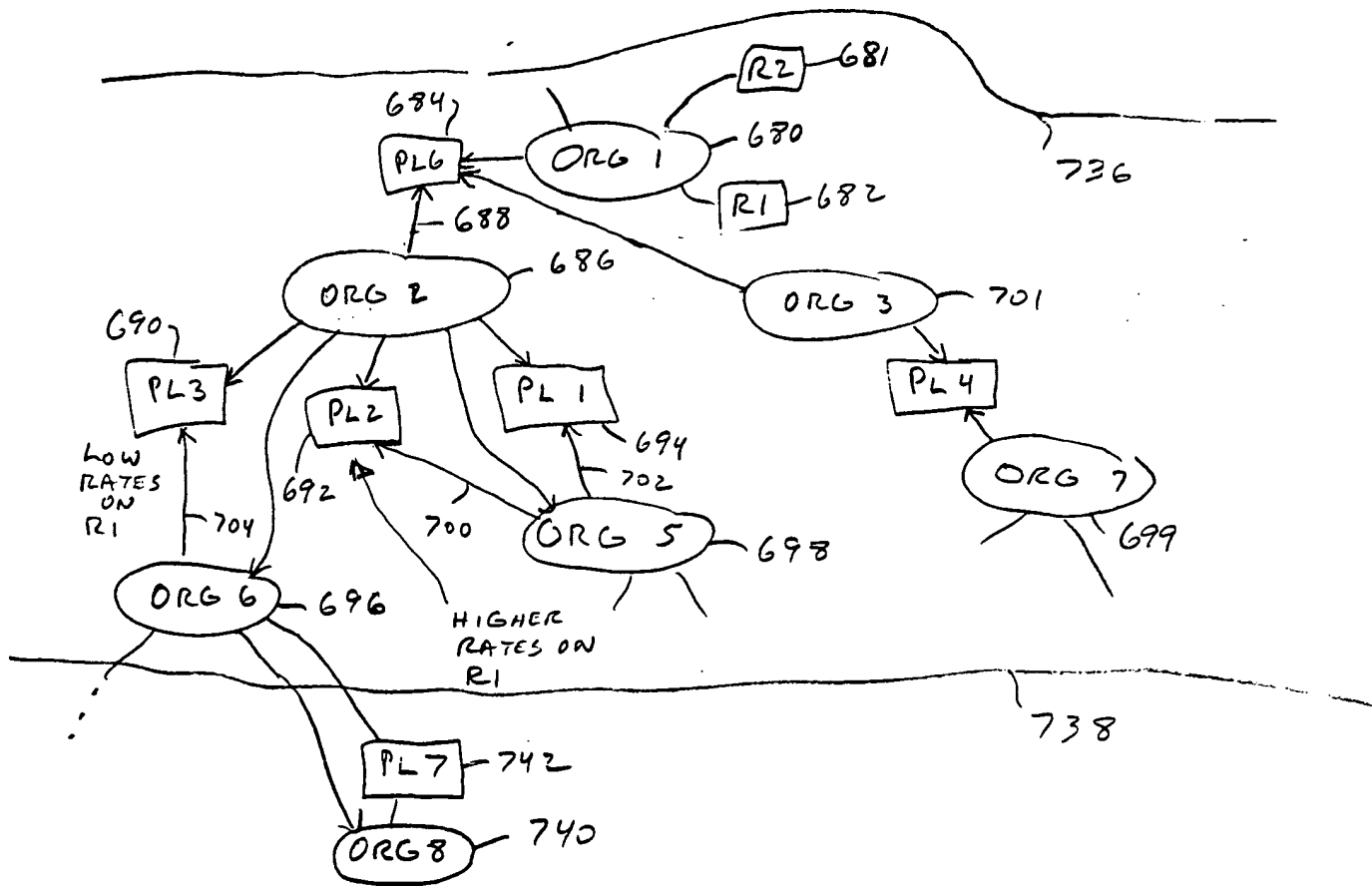


FIG. 22B



SECURITY BARRIERS  
FIG. 23

A PROCESS TO IMPLEMENT SECURITY BARRIERS TO PREVENT USERS FROM VIEWING DATA IN A USAGE MEASURING SERVER DATA STRUCTURE THAT THE USER IS NOT AUTHORIZED TO VIEW

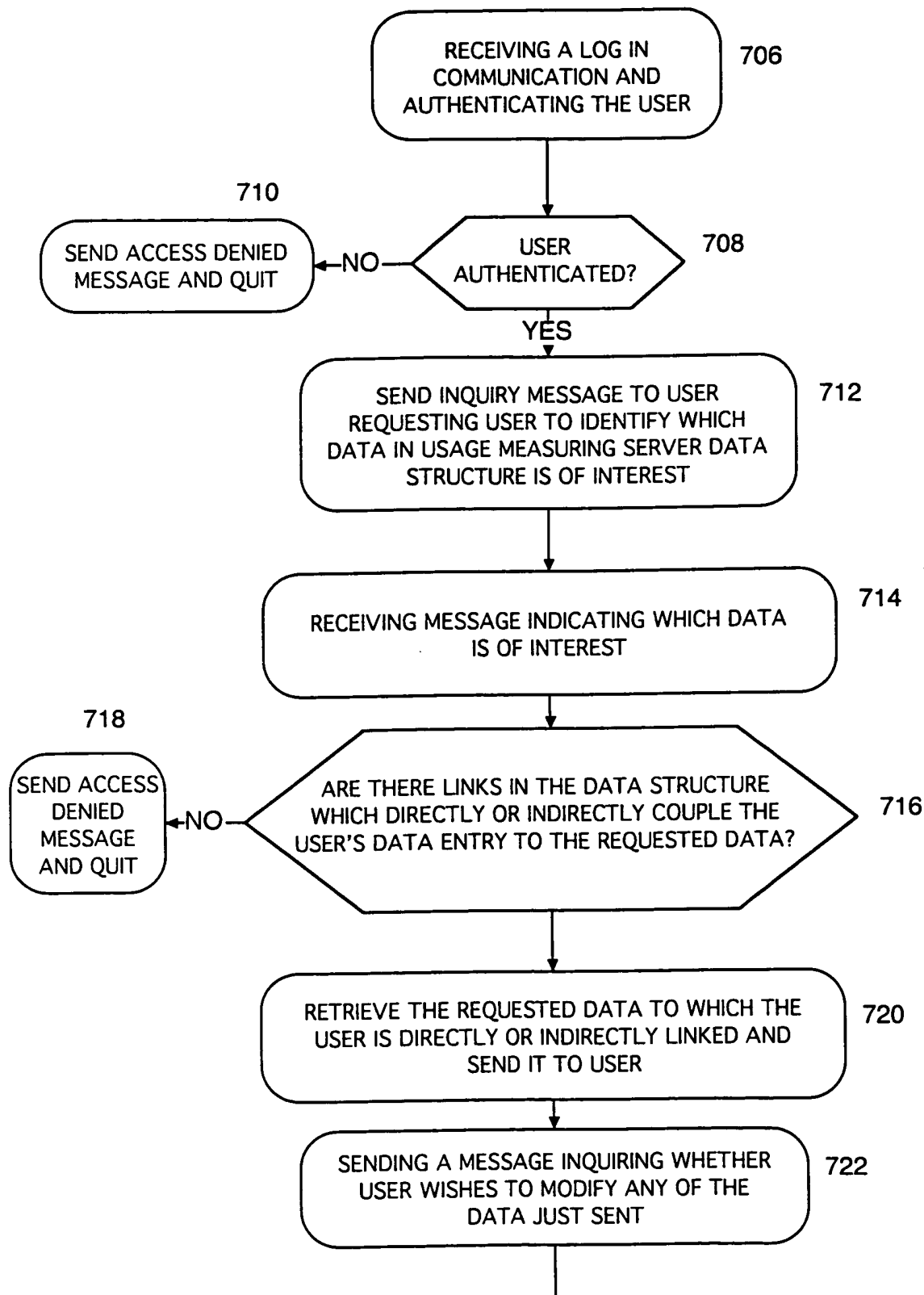


FIG. 24A

1002557 410101



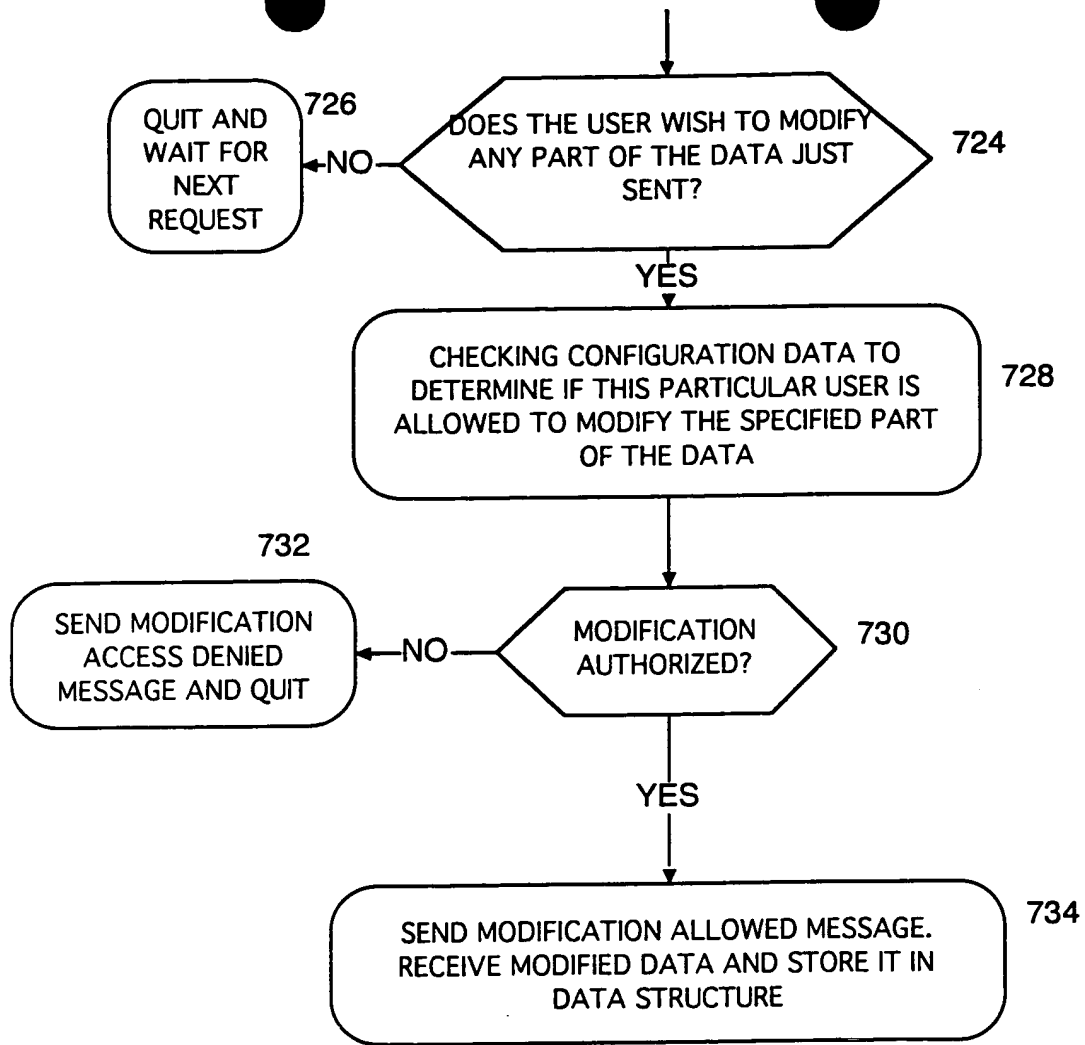
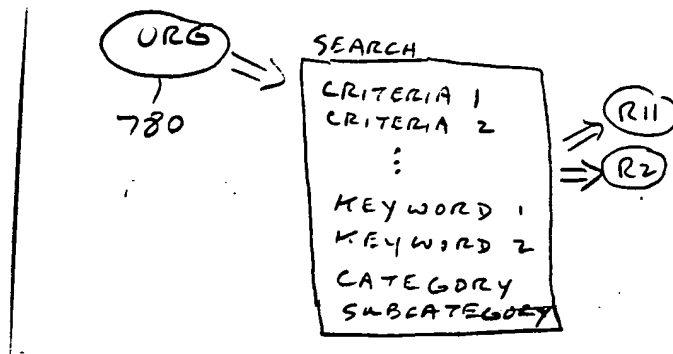
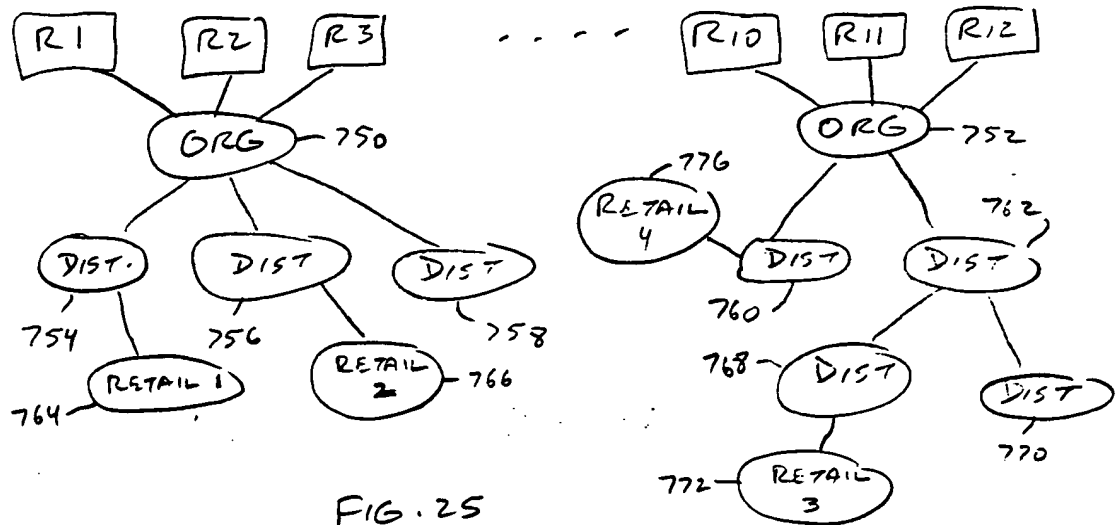


FIG. 24B



# TAXONOMY CATEGORIES

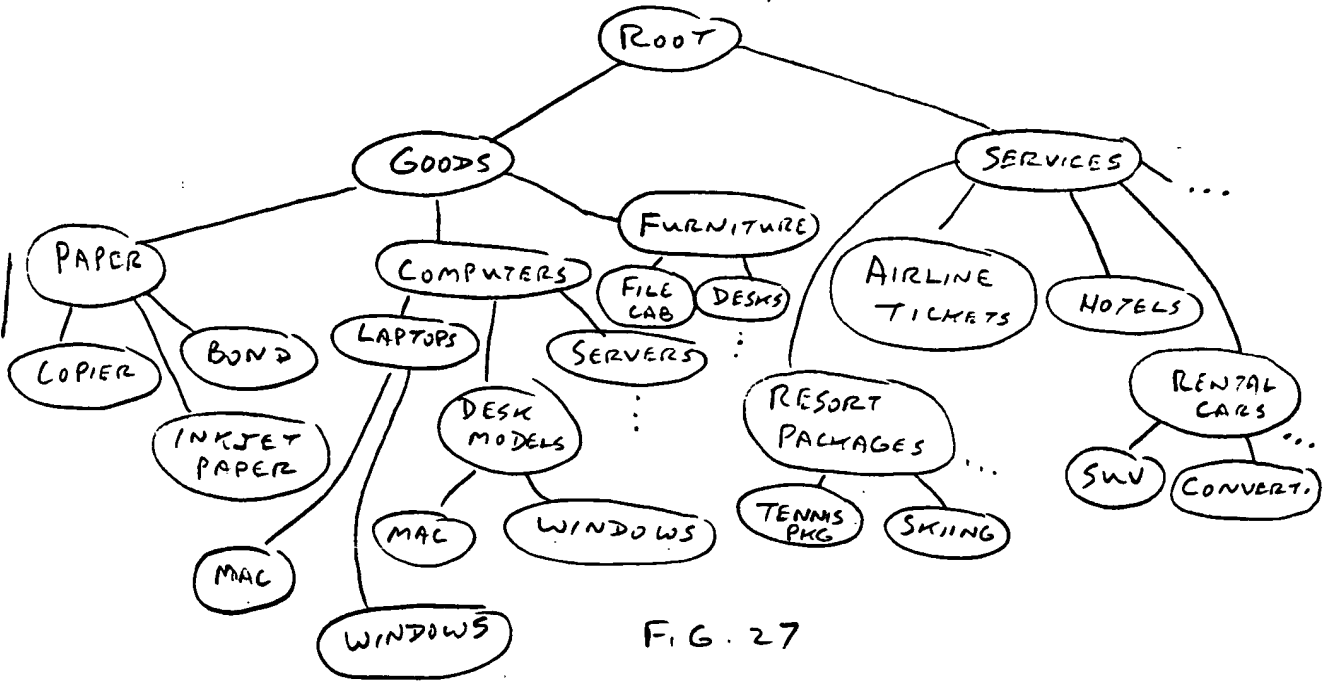


FIG. 27

SERVER PROCESSING TO IMPLEMENT ONE-STOP SHOPPING SEARCHING OF  
THE DATA STRUCTURE BASED UPON USER-DEFINED CRITERIA

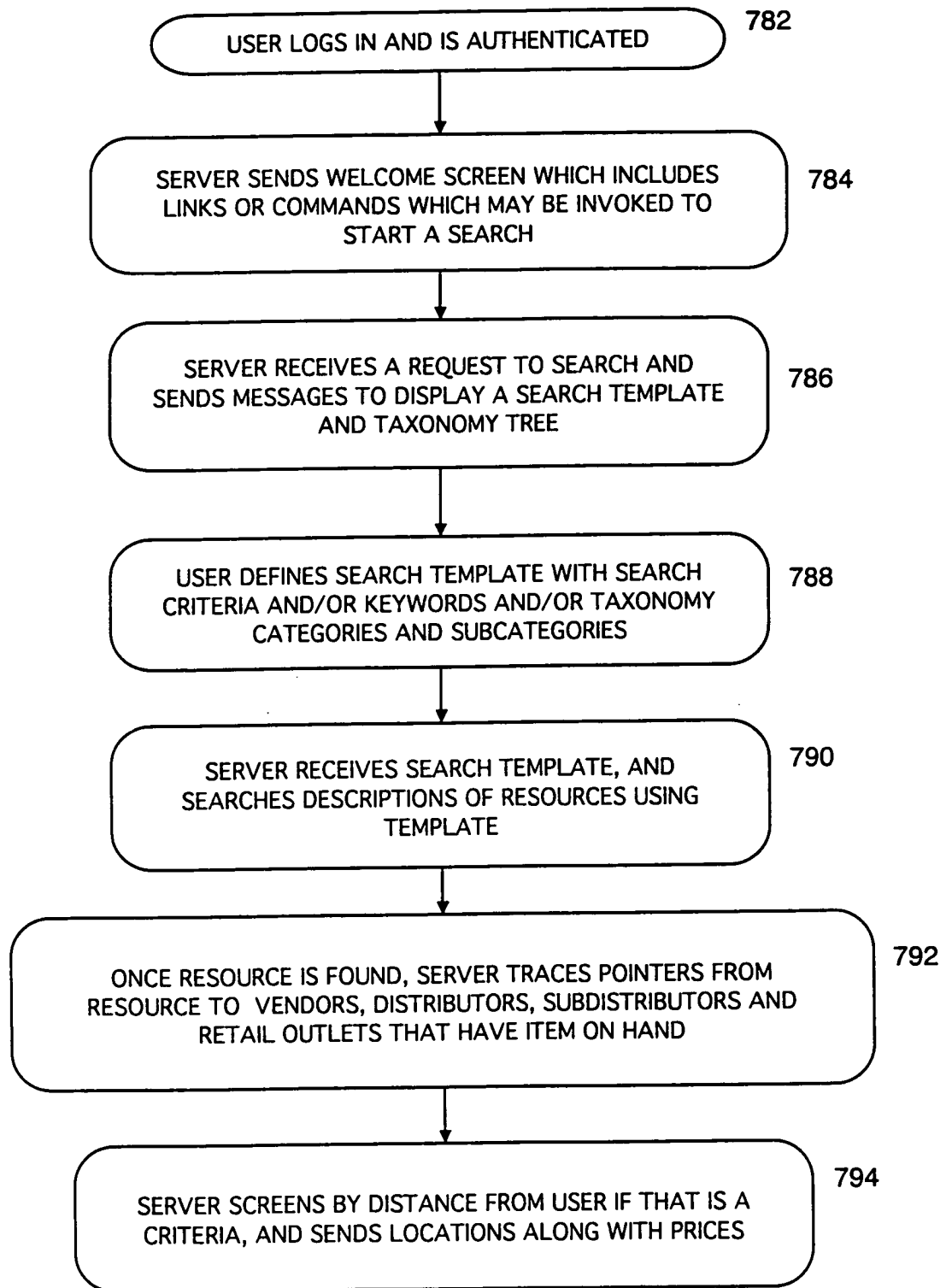


FIG. 28